

Appendix Three: Answers to quiz questions

Chapter 3 quiz

1. True/False: The sky appears blue because oxygen decreases with elevation?
False- The sky's color is a result of sunlight scattering off of nitrogen molecules. The blue sky gets darker with increase in elevation because of a decrease in air density- essentially there is a reduction in the amount of scattering that occurs.
2. _____ is the transfer of heat from a hot to a cold body. **Conduction.**
3. Clouds absorb and emit _____ radiation. **Longwave.**
4. True/False: In the Northern Hemisphere, south facing slopes generally receive less shortwave radiation than north facing slopes? **False**- south facing slopes receive more SW radiation.
5. For a given air temperature, the wind chill temperature _____ as the wind speed increases. **Decreases** (gets colder).